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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Cortistatin-29 (human)

Cat. No.:	HY-P5014	
CAS No.:	1815618-16-6	
Molecular Formula:	C ₁₄₉ H ₂₂₃ N ₄₇ O ₄₂ S ₃	{Pyr}-Glu-Gly-Ala-Pro-Pro-Gln-Gln-Ser-Ala-Arg-Arg-Asp-Arg-Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys (Disulfide bridge: Cys17-Cys28)
Molecular Weight:	3440.85	
Sequence:	{Pyr}-Glu-Gly-Ala-Pro-Pro-Gln-Gln-Ser-Ala-Arg-Arg-Asp-Arg-Met-Pro-Cys-Arg-Asn-Phe-Phe-Trp-Lys-Thr-Phe-Ser-Ser-Cys-Lys (Disulfide bridge: Cys17-Cys28)	
Sequence Shortening:	{Pyr}-EGAPPQSQARRDRMPCRNFFWKTFSSCK (Disulfide bridge: Cys17-Cys28)	
Target:	Somatostatin Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	Sealed storage, away from moisture	
	Powder -80°C 2 years	
	-20°C 1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (14.53 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	0.2906 mL	1.4531 mL	2.9063 mL
	5 mM	0.0581 mL	0.2906 mL	0.5813 mL
	10 mM	0.0291 mL	0.1453 mL	0.2906 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Cortistatin-29 (human) is a somatostatin neuropeptide with potential for studying diseases such as cancer, inflammation, autoimmunity, fibrosis, and pain^{[1][2]}.

REFERENCES

- [1]. Spier AD, et al. Cortistatin: a member of the somatostatin neuropeptide family with distinct physiological functions. *Brain Res Brain Res Rev.* 2000 Sep;33(2-3):228-41.
- [2]. Campos-Salinas J, et al. Therapeutic Effect of a Latent Form of Cortistatin in Experimental Inflammatory and Fibrotic Disorders. *Pharmaceutics.* 2022 Dec 13;14(12):2785.

Caution: Product has not been fully validated for medical applications. For research use only.

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